

Abstract

5 The present invention provides a compound capable of binding to the ubiquinone binding
site of DHODH which contains a non-aromatic ring system as a core structure, a group
capable of interacting with structural elements of subsite 2 or 3 of the ubiquinone binding
site of DHODH and a group capable of interacting hydrophobically with structural
elements of subsite 1 of the ubiquinone binding site of DHODH. Furthermore, the present
10 invention provides a compound capable of binding to the ubiquinone binding site of
DHODH which contains an aromatic ring system as a core structure, a group capable of
interacting with residues His 56 and/or Tyr 356 of subsite 3 of the ubiquinone binding site
of DHODH and a group capable of interacting hydrophobically with structural elements of
subsite 1 of the ubiquinone binding site of DHODH.